

IN THE CLAIMS

Please amend the claims as follows:

1. (Original) An isolated polynucleotide sequence comprising SEQ ID NO:1 or SEQ ID NO:3.
2. (Original) The isolated polynucleotide of Claim 1, which encodes a fertility associated antigen.
3. (Original) A vector comprising the isolated polynucleotide of Claim 1.
4. (Original) The vector of Claim 3, wherein said vector is a prokaryotic expression vector, wherein the vector comprises a bacterial T7 promoter.
5. (Original) A host cell comprising the isolated polynucleotide of Claim 1.
6. (Original) The host cell of Claim 5, which is a bacterial cell, a yeast cell or a mammalian cell.

Claims 7 and 8 (Cancelled).

9. (Previously Presented) A method of producing a fertility associated antigen comprising introducing the isolated polynucleotide of Claim 1 into a host cell; culturing said host cell under conditions suitable for expression of fertility associated antigen; and isolating the fertility associated antigen produced.

Claim 10. (Cancelled)

11. (Original) The method of Claim 9, wherein said isolating comprises purifying said fertility associated antigen.
12. (Original) The method of Claim 11, wherein said purifying comprises chromatography and/or affinity separation.
13. (Original) The method of Claim 9, wherein said host cell is a bacterial cell.

14. (Currently Amended) The method of Claim 9, wherein said host cell is yeast a yeast cell.

15. (Original) The method of Claim 9, wherein said host cell is a mammalian cell.

Claims 16-56 (cancelled)

57. (Previously Presented) The isolated polynucleotide of Claim 1, which comprises SEQ ID NO:1.

58. (Previously Presented) The isolated polynucleotide of Claim 1, which comprises SEQ ID NO:3.

Claims 59-80 (Cancelled).